	Application No.	Applicant(s)
A	10/737,319	FUJII ET AL.
Notice of Allowability	Examiner	Art Unit
	Eric S. McCall	2855
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to the application as originally filed on Dec. 16, 2003.		
2. The allowed claim(s) is/are <u>1-14</u> .		
3. The drawings filed on 16 December 2003 are accepted by the Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.	
(a) I including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(d	ngs in the front (not the back) of d).
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	,, , , ,
	Paper No./Mail Dat	e
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date May 24, 2004 Examiner's Comment Regarding Requirement for Deposit 		nent/Comment ent of Reasons for Allowance
of Biological Material	9.	
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Art Unit: 2855

METHOD OF TESTING FRICTION COMPONENTS FOR AUTOMATIC TRANSMISSIONS

REASONS FOR ALLOWANCE

The following is an Examiner's statement of reasons for allowance:

Claim 1 has been found to be allowable over the prior art because the prior art fails to teach or suggest a method of testing a friction component for an automatic transmission, comprising the combination of:

installing the friction component in a test stand having a drive shaft and a grounding anchor with a first part of the friction component attached to the drive shaft and a second part of the friction component attached to the grounding anchor;

applying an actuation force to an actuator of the friction component at a start time (to) to stroke the actuator over a stroke time (t_s) and to apply an engagement force to the friction component at a time to+ts; and

decoupling the motor drive from the drive shaft at a time to+ts+tt and allowing the rotating speed of the drive shaft and the sliding speed of the friction component to decrease in response to engagement of the friction component,

in combination with the remaining limitations of said claim.

Claim 9 has been found to be allowable over the prior art because the prior art fails to teach or suggest a method of testing a friction component for an automatic transmission, comprising the combination of:

installing the friction component in a test stand having a drive shaft and a grounding element with a first part of the friction component attached to the drive shaft and a second part of the friction component attached to the grounding element;

applying an actuation force to an actuator of the friction component at a time (to); and upon obtaining a predetermined level of torque, the motor torque is reduced to a predetermined level (Tm), upon reduction to Tm the sliding speed of the drive shaft decreases, in combination with the remaining limitations of said claim.

Claim 11 has been found to be allowable over the prior art because the prior art fails to teach or suggest a system for testing a friction component for an automatic transmission, comprising the combination of:

a friction component installed in the test stand, the friction component having a first part attached to the drive shaft and a second part attached to the grounding portion;

an actuator of the friction component being actuated at a time (to) and the actuator having a return mechanism that applies a biasing force to return the friction component to a disengaged condition, causing the friction component to be stroked against the return mechanism during a time (ts) to apply an engagement force at a time to + ts; and

wherein operation of the motor drive is continued to maintain the speed of rotation of the drive shaft at V_{target} for a period of time corresponding to a target torque phase time (t₁), and decoupling the motor drive from the drive shaft at the end of the allowing the rotating speed of the drive shaft and first part of the friction component to decrease in response to engagement of the friction component,

in combination with the remaining limitations of said claim.

The remainder of the claims have been found allowable due to the dependency thereof on one of the above claims.

CONCLUSION

Any comments considered necessary by the Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Eric S. McCall whose telephone number is (571) 272-2183.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Eric S. McCall Primary Examiner Art Unit 2855

Feb. 25, 2005